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DEPARTMENT OF THE ARMY

OFFICE OF THE ASSISTANT CHIEF OF STAFF, INTELLIGENCE

WASHINGTON 25, D.C.

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ACSI-ISOD

16 April 1958

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MEMORANDUM FOR: CHAIRMAN, AD HOC REQUIREMENTS COMMITTEE

SUBJECT: Request for AQUATONE Peripheral Photo Reconnaissance (S)

1. The Army requests the Ad Hoc Requirements Committee consider the practicality of conducting flights along the periphery of the Soviet Union during periods in which penetration overflights are suspended.

2. Mission B-4033 provided oblique coverage of the Black Sea area on 30 July 1957, utilizing the "B" configuration. Though many detailed measurements cannot be obtained because of the obliquity, the photography provided valuable data concerning location, size, and activity on previously unknown military installations as well as valuable comparative data on known military activity. We consider that further missions of this type would prove of value to the intelligence community by validating current holdings, searching out new military activity, and determining specific installation locations for future overflight requests.

3. As a first step, it is proposed that consideration be given to the area outlined on the attached sketches. These intelligence requirements in the Soviet Far East have previously been approved as Highest Priority Targets. Attachment 1 graphically portrays the coastline from VELEN on the easternmost tip of the CHUKOTSK Peninsula through BUKHTA UGOLNAYA. Attachment 2 shows the area extending southward from UST APUKA to UST KAMCHATSK. Numbered targets are those discussed previously by the Ad Hoc Requirements Committee in the referenced memoranda. The proposed flight path would be approximately 15 miles offshore and the limit of effective coverage estimated at 40 miles, providing for some 25 miles of useable land coverage.

4. Targets shown on the attachments are listed below (targets are keyed to the numbers on the attachments):

- 1 Airfield in vicinity VELEN
- 2 Airfields in vicinity LAVRENTIA
- 3 Airfields in vicinity LAVRENTIA
- 4 Airfield in vicinity PROVIDENIYA
- 5 PROVIDENIYA
- 6 BUKHTA PROVIDENIYA
- 7 ZALIV KRESTA Airfield

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- 8 UGOLNYE KOPI Airfield
- 9 UGOLNYE KOPI
- 10 ANADYR
- 11 BUKETA UGOLNAYA
- 12 UGOLNYY
- 13 UST APUKA
- 14 OLYUTORKA
- 15 KOPF
- 16 OSSORA
- 17 UKA
- 18 OZERNAYA

5. Eight of the 12 targets displayed on Attachment 1 should be covered effectively by the proposed oblique photography. Though the ANADYR-UGOLNYE KOPI and ZALIV KRESTA areas are beyond the estimated range of effective cover, data obtained should materially assist in future operational planning. Effective coverage of the area shown on Attachment 2 would be limited to two of the six known targets displayed. The return from this area possibly would not warrant a separate flight but is included for operational consideration in conjunction with the northernmost area.

6. It is requested that the "B" configuration be utilized during peripheral operations. The Army also requests that feasibility studies be conducted for the utilization of the "C" configuration camera in a side looking mode for future follow-up peripheral missions involving well defined targets.

- 2 Incl
- 1. Attachment 1
  - 2. Attachment 2

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Army Member, ARC

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